NC/PMC/PD/2018-19/BW-C1 Date: 04-07-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**169 min**	Shall not be less than 30 min
2	Final setting time	**284 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.09 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.35 mm**	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	**28.34 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R
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For Newzen Consultants Bangalore
Proprietor

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EMAIL:newzen576@gmail.com

NC/PMC/PD/2018-19/BW-PCC1 **Date: 04-07-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	95 – 100
20mm	60.45	0 -20	30- 70
10mm	31.60	0 -5	10- 35
4.75mm	3.10	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	96.90	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	84.25	60-95	75-100	85-100	
01.18	72.80	30-70	55-90	75-100	
600. mic	52.55	15-34	35-59	60-79	
300.mic	23.75	5-20	8-30	12-40	
150.mic	6.90	0-10	0-10	0-10	

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EMAIL:newzen576@gmail.com

NC/PMC/PD/2018-19/BW-C2

Date: 06-07-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**176 min**	Shall not be less than 30 min
2	Final setting time	**269 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.07 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.39 mm**	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	**29.14 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore
Proprietor

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NC/PMC/PD/2018-19/BW-PCC2

Date: 06-07-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

AE

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	95 – 100
20mm	61.25	0 -20	30- 70
10mm	30.45	0 -5	10- 35
4.75mm	3.95	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	95.75	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	88.60	60-95	75-100	85-100	
01.18	72.95	30-70	55-90	75-100	
600. mic	45.80	15-34	35-59	60-79	
300.mic	20.65	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

KIRAN. R
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CELL NO: +91 8792620231, 080 23240187

NC/PMC/PD/2018-19/BW-C3 Date: 09-07-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**166 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.21 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.37 mm**	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	**28.31 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R
M.E, (Civil)
For Newzen Consultants Bangalore
Proprietor

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NC/PMC/PD/2018-19/BW-PCC3 Date: 09-07-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**98.95**	85-100	95 – 100
20mm	**54.10**	0 -20	30- 70
10mm	**27.25**	0 -5	10- 35
4.75mm	**3.80**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	**98.60**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.25**	60-95	75-100	85-100	
01.18	**69.85**	30-70	55-90	75-100	
600. mic	**40.90**	15-34	35-59	60-79	
300.mic	**11.20**	5-20	8-30	12-40	
150.mic	**7.40**	0-10	0-10	0-10	

K. R.
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M.E, (Civil-E

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Proprietor

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NC/PMC/PD/2018-19/BW-C4 Date: 11-07-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**169 min**	Shall not be less than 30 min
2	Final setting time	**284 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.98 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.27 mm**	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	**28.71 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R
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Proprietor

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NC/PMC/PD/2018-19/BW-FA1

Date: 11-07-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**98.75**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.45**	60-95	75-100	85-100	
01.18	**64.20**	30-70	55-90	75-100	
600. mic	**47.05**	15.34	35-59	60-79	
300.mic	**13.60**	5-20	8-30	12-40	
150.mic	**7.30**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**16.80 %**	-----
2	Silt Content	----	**0.61 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

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NC/PMC/PD/2018-19/BW-CA1 Date: 11-07-2018

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	96.70	85-100	90 - 100
10 mm	49.25	0 - 20	25 - 55
4.75 mm	3.95	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	21.65 %	Not to exceed 25 %
2.	Crushing value	25.40 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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NC/PMC/PD/2018-19/BW-CB1 Date: 20-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-07-18	20-07-18	07	22500	530	23.56	**24.07**
	002	"	"	"	"	555	24.67	
	003	"	"	"	"	540	24.00	

KIRAN. R
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Proprietor

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NC/PMC/PD/2018-19/BW-CB2 Date: 23-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-07-18	23-07-18	07	22500	550	24.44	**24.30**
	002	"	"	"	"	535	23.78	
	003	"	"	"	"	555	24.67	

KIRAN. R
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For Newzen Consultants Bangalore

Proprietor

Page No. 1/1,

NC/PMC/PD/2018-19/BW-CB3 Date: 24-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	17-07-18	24-07-18	07	22500	545	24.22	**23.70**
	002	"	"	"	"	525	23.33	
	003	"	"	"	"	530	23.56	

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NC/PMC/PD/2018-19/BW-CB4 Date: 24-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	17-07-18	24-07-18	07	22500	535	23.78	**24.15**
	002	"	"	"	"	550	24.44	
	003	"	"	"	"	545	24.22	

KIRAN. R
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For Newzen Consultants Bangalore

Proprietor

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NC/PMC/PD/2018-19/BW-CB5 Date: 26-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

AE

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-07-18	26-07-18	07	22500	555	24.67	**24.74**
	002	"	"	"	"	550	24.44	
	003	"	"	"	"	565	25.11	

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore
Proprietor

NC/PMC/PD/2018-19/BW-CB6 Date: 27-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-07-18	27-07-18	07	22500	545	24.22	**24.30**
	002	"	"	"	"	560	24.89	
	003	"	"	"	"	535	23.78	

KIRAN. R
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For Newzen Consultants Bangalore
Proprietor

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NC/PMC/PD/2018-19/BW-CB1A

Date: 10-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-07-18	10-08-18	28	22500	735	32.67	**32.37**
	002	"	"	"	"	730	32.44	
	003	"	"	"	"	720	32.00	

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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NC/PMC/PD/2018-19/BW-CB2A

Date: 13-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Drilling of Borewell and providing pump motor and laying pipeline in Ward No.05 surrounding area Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Y.A. Dhanashekhar.

AE

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-07-18	13-08-18	28	22500	730	32.44	**32.81**
	002	"	"	"	"	745	33.11	
	003	"	"	"	"	740	32.89	

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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